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*Admitted only in Maryland *Admitted only in Virginia *Practice Limited to Federal Agencies

January 16, 2004

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Art Unit 1745

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/236,113; Filed: January 25, 1999 For: Cathode Arc Source and Graphite Target

Inventors:

Shi et al.

Our Ref:

1581.0250001/ALF/EDH

RECEIVED JAN 26 2004 TC 1700

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fee Transmittal Form (PTO/SB/17);
- 2. Reply Under 37 C.F.R. § 1.111;
- 3. Terminal Disclaimer To Obviate A Double Patenting Rejection Over a Prior Patent;
- 4. One (1) return postcard; and
- 5. PTO-2038 Credit Card Payment Form authorizing a charge in the amount of \$110.00 to cover Terminal Disclaimer fee Under 37 C.F.R. 1.20(d).

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents January 16, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Albert L. Ferro

Attorney for Applicants Registration No. 44,679

ALF/EDH:nar Enclosures

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PTO/SB/17 (10-03)

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

SUBMITTED BY

Name (Print/Type)

Signature

Albert L. Ferro

TOTAL AMOUNT OF PAYMENT (\$) 110.00

Co		
Application Number	09/236,113	8
Filing Date	01/25/99	, CV
First Named Inventor	Shi et al.	JAN SAL
Examiner Name	Gregg Cantelmo	10 60
Art Unit	1745	7, 4
Attorney Docket No.	1581.0250001/ALF/EDH	00

(Complete (if applicable))

(202) 371-2600

Telephone

Date

44,679

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
Check X Credit card Money X Other** None		3. ADDITIONAL FEES					
*Charge any deficiencies or credit any overpayments in		Large Entity Small Entity					
Deposit	Fee Code		Fee Code	Fee (\$)	Fee Description	Fee Paid	
Account Number 19-0036	1051	130	2051	65	Surcharge - late filing fee or oath		
Deposit Account Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		
Name The Director is authorized to: (check all that apply)		130	1053	130	Non-English specification		
Charge fee(s) indicated below Credit any overpayments		2,520	1812	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) or any underpayment of fee(s)		920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION		110	2251	55	Extension for reply within first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month		
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month		
Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month		
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing		
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
	1452	110	2452	55	Petition to revive - unavoidable		
		1,330	2453	665	Petition to revive - unintentional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2501	665	Utility issue fee (or reissue)		
Fee from Extra Claims below Fee Paid	1502	480	2502		Design issue fee		
Total Claims 20 **= X =	1503	640	2503	320	Plant issue fee		
Independent Claims - 3 **= X == X	1460	130	1460	130	Petitions to the Commissioner		
Multiple Dependent =		50	180	7 50	Processing fee under 37 CFR 1.17(q)		
Large Entity Small Entity	1806	180	1806		Submission of Information Disclosure Stmt		
Fee	8021	40	802	1 40	Recording each patent assignment per property (times number of properties)		
1202 18 2202 9 Claims in excess of 20	1809	770	2809	9 385	Filing a submission after final rejection		
1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1.129(a))		
1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 ** Reissue independent claims ^	1810	770	2810	0 385	For each additional invention to be examined (37 CFR 1.129(b))		
over original patent	1801	770	2801	385	Request for Continued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application		
		Other fee (specify) Terminal Disclaimer				110.00	
SUBTOTAL (2) (\$) -0- **or number previously paid, if greater; For Reissues, see above	*Redu	iced by	Basic	Filing F	ee Paid SUBTOTAL (3) (\$)	110.00	

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Registration No.